

IMMUNEX  
Cerretti - 2826

ZYMO  
Sheppard

BMS  
Lopez-Ortiz

60/074,310  
Filed 2/11/98

119(e)

PCT US99/03016  
Filed 2/11/99  
(Added-Ex 1-Northern blot  
Ex 2-Chromosomal Mapping)

WO 99/03016  
Published 8/19/99

CON

09/634,252  
Filed 2/7/00  
(nucleic acid  
OA 8/29/03)

DIV

10/202,675  
Filed 7/23/02  
US2003/010091 A1  
Published 05/29/03  
(isolated polypeptide  
encoding a domain of  
ADAM-23, fusion protein,  
recombinant polypeptide  
No action as of 10/14/03)

60/092,371  
Filed 7/10/98

119(e)

09/351,414  
Filed 7/9/99

CONT

DIV

09/809,617  
09/809,790 Filed 3/15/01  
Filed 3/16/01

US2002/0072102  
Published 6/13/02  
(isolated polypeptide,  
isolated polynucleotide,  
fusion protein vector,  
cultured cell,  
method of production,  
method of modulation)  
1st OA 6/2/03

USP 6,265,199  
Issued 7/24/01  
(isolated  
polypeptide)

US2002/0137178  
Published 9/26/02  
polynucleotide  
1st OA 6/2/03  
(Some allowed Claims)

60/194,164  
Filed 4/3/00

119(e)

09/824,129  
Filed 4/2/01  
(Abandoned)

US2002/0001840  
Published 1/3/02  
(isolated nucleic acid  
vector host cell  
method of identify  
modulation peptide  
method of inhibition  
tumor growth composition)

10/359,464  
Filed 2/5/03

Alignment of Cerretti SVPH3-17/ADAM23 (SEQ ID NO:4) with Sheppard et al. (SEQ ID NO:2)

Red text = Signal domain

Green = Prodomain

Purple = protease domain

Yellow = disintegrin domain

Double underlined = TM

Wave underlined = cytoplasmic

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Cerretti: 1 MKPPGSSSRQPPLAGCSLAGASCGPQRGVPASAPARTPPCRLLLVLVLLLPPLAAS 59
Cerretti: 60 SRPRAWGAAAPSAPHWNETAENKLGVLADEDNTLQONSSSNISYSNAMQKEITLPSRLT 118
Cerretti: 119 YYINQDSESPYHM 131

Sheppard: 1 TVLEFGFR 8

Cerretti: 132 LDTKARHQKQKHNKAVHLAQASFOLEAFGSKFILDLLINNGLLSSDYVEIHYENGKPOYSK 191
Sheppard: 9 LDTKARHQKQKHNKAVHLAQASFOLEAFGSKFILDLLINNGLLSSDYVEIHYENGKPOYSK 68

Cerretti: 192 GGEHCYYHGSIRGVKDSKVALSTCNGLHGMFEDDTFVYMI EPLELVHDEKSTGRPHIIQK 251
Sheppard: 69 GGEHCYYHGSIRGVKDSKVALSTCNGLHGMFEDDTFVYMI EPLELVHDEKSTGRPHIIQK 128

Cerretti: 252 TLAQYYSKOMKNLTMERGDQWPFLEQWLKRRKRAVNPSRGIFEEMKYLELMIVNDHKT 311
Sheppard: 129 TLAQYYSKOMKNLTMERGDQWPFLEQWLKRRKRAVNPSRGIFEEMKYLELMIVNDHKT 188

Cerretti: 312 YKKHRSSHAHTNNFAKSVVNLVDSIYKEQLNTRVVLVAVETWTEKDQIDITTNPVQMLHE 371
Sheppard: 189 YKKHRSSHAHTNNFAKSVVNLVDSIYKEQLNTRVVLVAVETWTEKDQIDITTNPVQMLHE 248

Cerretti: 372 FSKYRQRIKQHADAHVHLISRVTFHYKRSSLSYF GGVCSRTRGVGVNEYGLPMAVAQVLSQ 431
Sheppard: 249 FSKYRQRIKQHADAHVHLISRVTFHYKRSSLSYF GGVCSRTRGVGVNEYGLPMAVAQVLSQ 308

Cerretti: 432 SLAQNLGIQWEPSSRKPKCDCTESWGGCIMEETGVSHSRKFSKCSILEYRDFLQRGGGAC 491
Sheppard: 309 SLAQNLGIQWEPSSRKPKCDCTESWGGCIMEETGVSHSRKFSKCSILEYRDFLQRGGGAC 368

Cerretti: 492 LFNRPTKLFEPTECGNGYVEAGEECDCGFHVECYGLCCKKCSLSNGAHCSDGPCCNNTSC 551
Sheppard: 369 LFNRPTKLFEPTECGNGYVEAGEECDCGFHVECYGLCCKKCSLSNGAHCSDGPCCNNTSC 428

Cerretti: 552 LFQPRGYECRDAVNECDITEYCTGDSGQCPPNLHKQDGYACNQNGRCYNGECKTRDNQC 611
Sheppard: 429 LFQPRGYECRDAVNECDITEYCTGDSGQCPPNLHKQDGYACNQNGRCYNGECKTRDNQC 488

Cerretti: 612 QYIWGTKAAGSDKFCYEKLNTGTEKGNCCKGDRWIQCSKHDVFCGFLCTNLTRAPRI 671
Sheppard: 489 QYIWGTKAAGSDKFCYEKLNTGTEKGNCCKGDRWIQCSKHDVFCGFLCTNLTRAPRI 548

Cerretti: 672 GQLQGEI IPTSFYHQGRVIDCSGAHVVLDDDDTDVG YVEDGTPCGPSMMCLDRKCLQIQAL 731
Sheppard: 549 GQLQGEI IPTSFYHQGRVIDCSGAHVVLDDDDTDVG YVEDGTPCGPSMMCLDRKCLQIQAL 608

Cerretti: 732 NMSSCPLDSKGKVC SGHGVC SNEATCICDFTWAGTDCSIRDPVRNLHPPKDEGPKGPSAT 791
Sheppard: 609 NMSSCPLDSKGKVC SGHGVC SNEATCICDFTWAGTDCSIRDPVRNLHPPKDEGPKGLCDF 668

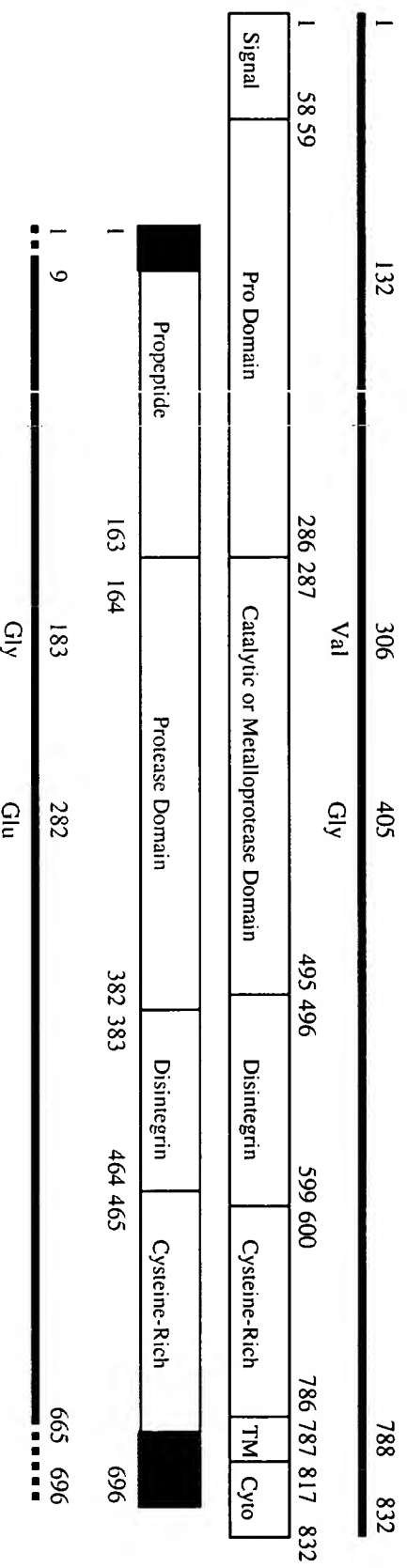
Cerretti: 792 NLIIGSIAGAILVAAIVLGGTGWGFKNVKKRRFDPTQOGPI 832

Sheppard: 669 GFNSWNTEFVDTPVMHQYNILIDLRGDT 696

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# Comparison of Cerretti and Sheppard *et al.* ADAM23 Amino Acid Sequences

Cerretti (SVP# 3-17, SEQ ID NO:4)

Sheppard *et al.* (zdint1, SEQ ID NO:2)